

LOW FREQUENCY INVERTER

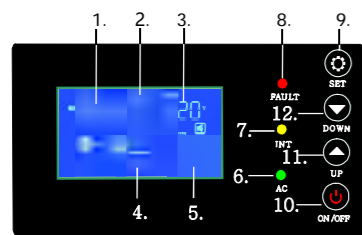
(AN-SPI SERIES)



Features of Module

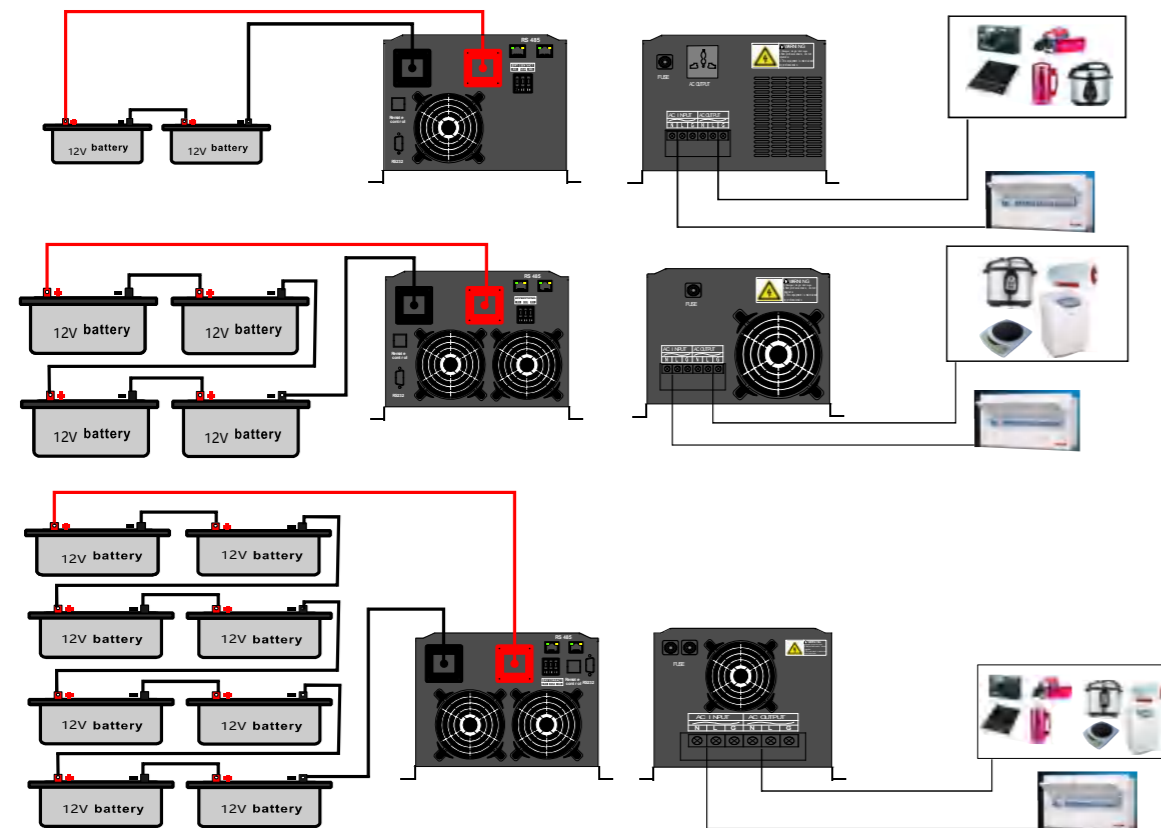
- Pure sine wave output
- With UPS automatic switching function, grid power charging function
- It has perfect protection functions such as over load high voltage, low voltage, short circuit, etc.
- DSP Intelligent Chip Control, Excellent Performance
- Strong inverting capability, one-time soft start, triple output peak power, with all inductive loads
- Smart LCD display and setting(Working modes, Charge Current, Charge Voltage, charging on/of switch, AC range input, battery voltage, Battery low voltage shutdown etc.)
- Full personalized LCD display, inverters can display various data information
- Mains priority mode, Battery priority mode, Energy saving priority Generator mode,
- Main priority unattended mode, Battery priority unattended mode, can be set freely to meet different occasions
- WIFI/RS485 remote monitoring communication (Optional)

LCD Display Information



NO	LCD Display	Contents Descriptions
1.	INPUTAC	AC Input
2.	(1)	Working mode code
3.	OUTPUT	AC Output
4.	BATT	Battery capacity
5.	LOAD 25%--100%	Load output percentage
6.	AC	AC indicator
7.	INVERTER	Inverter indicator
8.	FAULT	Fault indicator
9.	⊕	SET button
10.	⊖	ON/OFF button
11.	⬆	UP button
12.	⬇	DOWN button

Solar System Connection



Model	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Inverter Output								
Rated power	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Surge rating(20MS)	6000W	9000W	12000W	15000W	18000W	24000W	30000W	36000W
Capable of starting electric Motor	1P	1.5P	2P	3P	3.5P	4P	5P	6P
Wave form	Pure sine wave							
Power factor	1							
Output voltage RMS	110VAC/120VAC;220VAC/230VAC/240VAC					220VAC/230VAC/240VAC		
Output frequency	50Hz or 60Hz (±0.3Hz)							
Inverter efficiency (peak)	>85%							
Line mode efficiency	>95%							
Overload	120%<Load<130% ±10:Fault(Turnoff output after 60seconds)							
	130%<Load<150% ±10:Fault(Turnoff output after 10seconds)							
	150%<Load±10:Fault(Turnoff output after 10seconds)							

Battery	24VDC/48VDC	48VDC/96VDC
Battery voltage		
Minimum start voltage	(9.5V-12.5V adjustable)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC)	
Low battery voltage cut of	(9.5V-12.5V adjustable), 10V(default) for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC)	
Low battery voltage alarm	(9.5V-12.5V adjustable)+0.5V,10.5V(default) for 12VDC mode (*2 for 24VDC,*4 for 48VDC, *8 for 96VDC)	
High battery voltage alarm	16V for 12VDC mode (*2 for 24VDC, *4 for 48VDC,*8 for 96VDC)	
High Battery Voltage Recover	15.5V for 12VDC mode (*2 for 24VDC,*4 for 48VDC, *8 for 96VDC)	
Battery type	AGM,Lead Acid,Lithium, Ternary	

AC Input Mode	Pure sine wave
Input wave form	Pure sine wave
AC input voltage	110V/120VAC±25%;220/230/240VAC±25%
Low input voltage	110/120VAC:70-90VAC(adjustable),80VAC(default) ; 220/240VAC:140-180VAC(adjustable),160VAC(default)
Max input voltage	110/120VAC:130-145VAC(adjustable),137VAC(default) ; 220/240VAC:260-290VAC(adjustable),275VAC(default)
Input frequency	50Hz/60Hz (auto sensing)
Efficiency (AC mode)	>95% (load, full battery)
Transfer time AC to DC	8ms(Max)

AC Charge Current (Max)	24V	40A	40A	50A	/	/	/	/	/
20A	20A	30A	40A	50A	50A	50A	50A	50A	50A
96V	/	/	/	20A	20A	30A	30A	30A	30A
Min charge current 5A, Change by every 5A									

Dimensions	Wall Mount							
Mounting								
Dimensions (W*H*D)	480*280*200mm			640*280*200mm		760*320*240mm		
Ship Dimensions (W*H*D)	565*350*255mm			750*370*270mm		840*405*320mm		
Net Weight (Solar CHG)(kg)	19	21	29	31	33	53	55	60
Shipping Weight (Solar CHG)(kg)	21	23	31	33	35	58	60	65
Warranty	1year							